

#21/Amend G n12
3/19/03
C.P.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Inventors: Gregory B. Arnold et al

Serial No.: 09/384,675

Filed: August 27, 1999

Title: PORTABLE PRINTER AND
DATA ENTRY DEVICE ASSEMBLY

Examiner: Mr. Jared Fureman

Group Art Unit: 2876

Hon. Commissioner of Patents and Trademarks

Washington, DC 20231

Sir:

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D. C. 20231, on

2/10/03

Date of Deposit

Joseph J. Fureman

Signature

2/10/03

Date of Signature

AMENDMENT AFTER FINAL OFFICE ACTION

Please amend claims 37 and 47 as follows:

Submitted herewith is a clean copy of a new claim page containing claims 37 and 38 identified as Exhibit B. This new page effects correction of the spelling of "data" in line 6 of claim 37. A marked-up page showing the correction is submitted as Exhibit C.


Also submitted herewith is a clean copy of a new claim page containing claims 39 through 47 identified as Exhibit D. This new page changes the word "the" in line 2 of claim 47 to --a--. This new page is identified as Exhibit D. A marked-up page showing the correction is submitted as Exhibit E.

Also submitted herewith is a clean copy of two new claim pages containing the last five lines of claim 61, claims 62, 63 and 64 and the first five lines of claim 65 identified as Exhibit F and a

OK to enter 5/22/2003

marked up copy showing the change to claim 63 identified as
Exhibit G.

Respectfully submitted,



Joseph J. Grass
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February 10, 2003
Dayton, Ohio
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EXHIBIT B

37. A hand-held printer, comprising: an elongate printer housing having a portion to receive the palm of the user's hand, the housing having a front portion and a rear portion, a platen roll at the rear portion, the printer housing including a channel and flanges at opposite sides of the housing providing a compartment to embrace a portable data entry device, an electrical connector on the housing for connection to the data entry device, the housing providing space for mounting a roll of a printable web, a print module at the rear portion of the printer housing, the connector being disposed between the front portion and the roll-mounting space, the print module including a thermal print head cooperable with the platen roll for printing on the web and an electric motor for moving the platen roll, a releasable latch to latch the portable data entry device in the compartment of the printer housing, the compartment having an open top between the flanges to provide access to the portable data entry device, the compartment being open at the end of the front portion to enable a portable data entry device to be slidably received through the open end.

38. A hand-held printer as defined in claim 37, the palm-receiving portion being contoured and concave.

EXHIBIT C

37. A hand-held printer, comprising: an elongate printer housing having a portion to receive the palm of the user's hand, the housing having a front portion and a rear portion, a platen roll at the rear portion, the printer housing including a channel and flanges at opposite sides of the housing providing a compartment to embrace a portable data^a entry device, an electrical connector on the housing for connection to the data entry device, the housing providing space for mounting a roll of a printable web, a print module at the rear portion of the printer housing, the connector being disposed between the front portion and the roll-mounting space, the print module including a thermal print head cooperable with the platen roll for printing on the web and an electric motor for moving the platen roll, a releasable latch to latch the portable data entry device in the compartment of the printer housing, the compartment having an open top between the flanges to provide access to the portable data entry device, the compartment being open at the end of the front portion to enable a portable data entry device to be slidably received through the open end.

38. A hand-held printer as defined in claim 37, the palm-receiving portion being contoured and concave.

EXHIBIT D

39. A hand-held printer as defined in claim 37, the palm-receiving portion being contoured.

40. A hand-held printer as defined in claim 39, including a strap adjacent the contoured portion.

41. A hand-held printer as defined in claim 37, wherein the palm-receiving portion of the printer housing is concave between the front portion and the rear portion.

42. A hand-held printer as defined in claim 37, including a strap connected to the printer housing and capable of passing around the back of the user's hand.

43. A hand-held printer as defined in claim 37, the housing having a pair of opposed substantially mirror-image housing sections, wherein each housing section includes one of the flanges.

44. A hand-held printer as defined in claim 43, including a printer printed circuit board supported by the housing sections.

45. A hand-held printer as defined in claim 37, wherein the print module is mounted on the printer circuit board.

46. A hand-held printer as defined in claim 45, wherein at least one battery is mounted on the printer circuit board.

47. A hand-held printer as defined in claim 37, wherein at least one battery is mounted on a printer circuit board.

EXHIBIT E

39. A hand-held printer as defined in claim 37, the palm-receiving portion being contoured.

40. A hand-held printer as defined in claim 39, including a strap adjacent the contoured portion.

41. A hand-held printer as defined in claim 37, wherein the palm-receiving portion of the printer housing is concave between the front portion and the rear portion.

42. A hand-held printer as defined in claim 37, including a strap connected to the printer housing and capable of passing around the back of the user's hand.

43. A hand-held printer as defined in claim 37, the housing having a pair of opposed substantially mirror-image housing sections, wherein each housing section includes one of the flanges.

44. A hand-held printer as defined in claim 43, including a printer printed circuit board supported by the housing sections.

45. A hand-held printer as defined in claim 37, wherein the print module is mounted on the printer circuit board.

46. A hand-held printer as defined in claim 45, wherein at least one battery is mounted on the printer circuit board.

47. A hand-held printer as defined in claim 37, wherein at least one battery is mounted on ^athe printer circuit board.

EXHIBIT F

portion, the housing further having a rear portion, a printer printed circuit board disposed in the housing, the printer circuit board having a front portion and a rear portion, and a thermal print head for printing on a web and an electric motor for driving the platen roll mounted to the rear portion of the printer circuit board.

62. A hand-held printer, comprising: an elongate housing having a front portion and a rear portion, the front portion having a compartment adapted to receive a data entry device, a thermal print head and a cooperating platen roll disposed at the rear portion, an electric motor for the platen roll, a printer printed circuit board in the housing, and the print head and the electric motor being mounted on the printer circuit board.

63. In combination: a hand-held printer and a portable data entry device connected thereto, the portable data entry device including an elongate data entry device housing having a front end, a scanner disposed on the front end of the data entry device housing for scanning a code, a display and a plurality of manually operable keys, the printer including an elongate printer housing having a front portion with an open-ended channel-shaped compartment adapted to slidably receive the data entry device through the open end of the compartment and to embrace the data entry device, the scanner being capable of receiving data through the open end of the compartment, the compartment having opposed flanges and a

EXHIBIT G

portion, the housing further having a rear portion, a printer printed circuit board disposed in the housing, the printer circuit board having a front portion and a rear portion, and a thermal print head for printing on a web and an electric motor for driving the platen roll mounted to the rear portion of the printer circuit board.

62. A hand-held printer, comprising: an elongate housing having a front portion and a rear portion, the front portion having a compartment adapted to receive a data entry device, a thermal print head and a cooperating platen roll disposed at the rear portion, an electric motor for the platen roll, a printer printed circuit board in the housing, and the print head and the electric motor being mounted on the printer circuit board.

63. In combination: a hand-held printer and a portable data entry device connected thereto, the portable data entry device including an elongate data entry device housing having a front end, a scanner disposed on the front end of the data entry device housing for scanning a code, a display and a plurality of manually operable keys, the printer including an elongate printer housing having a front portion with an open-ended channel-shaped compartment adapted to slidably receive the data entry device through the open end of the compartment and to embrace the data entry device, the scanner being capable of receiving data through the open end of the compartment [and to embrace the data entry device], the compartment having opposed flanges and a